

## Propositions

- 1: Complex spike waveform variability suggests scaled functionality, but their order of appearance argues against a functional correlate - *this thesis*
- 2: Inferior olivary firing is rhythmic, but stimulus induced spiking is not conditional to timed patterns derived from continuous and regular intervals and thus does not provide a metronome like function - *this thesis*
- 3: The model of the inferior olive shows that constant background input as expected in *in vivo* would hamper oscillatory consistency, impeding timing properties derived from multiple oscillation cycles - *this thesis*
- 4: The interspersed distribution of different sensory modalities in climbing fiber projections onto the cerebellar cortex and the different sensory modality responses in the single inferior olivary cell advocate a contextual signal of the inferior olive - *this thesis*
- 5: Long term potentiation is controlled through the inferior olivary signal - *this thesis*
- 6: "To steal ideas from one person is plagiarism, to steal from many is research"- *Steven Wright*
- 7: As a PhD student intensifies his quest into the subject's details, he will become aware that his questions on his role in the scientific field ultimately relate to the meaning of science as a whole
- 8: Increasing complexity in technological methodology pushes science to method-driven questioning instead of question driven-methodology
- 9: Being frank about your own limitations will bring about your full potential
- 10: The building blocks of science are made out of rationale, devoid of subjectivity, but progression of science is in hands of the subjectivity of human nature
- 11: "Wat mij betreft weet ik niets zeker, maar naar de sterren kijken zet me aan het dromen."- *Vincent van Gogh*